



Revision number: 3

Purchasing Agent: Jared Gardner

**Item: TRAFFIC CONTROLLER BATTERY POWERED WITH SOLAR CHARGING
LED LAMPS, TRAILER MOUNTED**

Vendor: 91355C Intermountain Traffic Safety, Inc.
3270 West 2236 South #4
West Valley City UT 84119

Internet Homepage:

Telephone: (801) 972-6515

Fax number: (801) 972-6604

Contact: Mike Knaras

Email address: itsafety@xmission.com

Brand/trade name: National Signal Sunup 100

Price:	See Attached Price List
Terms:	Net 30
Effective dates:	10/20/99 through 10/20/03
Days required for delivery:	4 Weeks ARO
Price guarantee period:	1 Year
Minimum order:	One Unit
Min shipment without charges:	Includes Freight
Other conditions:	

REVISION #3: EXTENDING THIS CONTRACT UNTIL 10/20/03

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



- 1- Traffic controller, battery powered with solar charging LED lamps, trailer mounted.
\$3,999.00/each freight included.

SPECIFICATIONS:

The controller are to be new unit of current model. The equipment is to meet the following minimum specifications but is not limited as to the features furnished by the manufacturer. The equipment is to have all standard features. The equipment is to be delivered assembled, serviced, tested and ready to operate.

Arrow board To be 48 inches x 96 inches, 25 led lamps.
Minimum legible distance 1 mile.
Lamp visibility 20 degrees horizontal, 10 degrees vertical.

Display selection to include:

- left, right or both flashing arrows
 - left or right sequential chevron
 - alternating diamond
 - corner flashing lamp caution
 - 7 flashing lamp caution bar
- To have 2 flashing lamp caution signal on back side of panel.

Board Mounting To have upright mounting with provision for raising to display position.
- In travel position, overall height of trailer not to exceed 96 inches.
- In display position, overall height to be 134 to 144 inches.

To have 800lb. Minimum capacity, hand winch with friction safety brake for raising board, or equivalent.

Electrical System Voltage to be 6VDC, 2 wired parallel then three groups wired series for 12VDC power supply. Batteries to be deep cycle golf cart type. To include six batteries.

Charger To have an onboard battery charger to operate or recharge battery bank.
Capacity output to be 25 amps.
Cooling method to be forced air fan cooled.
To have battery charge indicator.
To have low voltage disconnect to protect batteries from damage when voltage drops below 11 volts.

To have photovoltaic (solar) charging system.
To have two panels rated 90 watt each, minimum.
(15.5 volts peak, 5.8 amps peak)

Panels to be mounted to allow pivoting for maximum charging.

To have 110 vac powered charging system.
Output 14 vdc, 25 amp, minimum. Time to bring battery pack to full charge from shutdown - approximately 24 hours.

Trailer To have heavy duty frame with removable draw bar.
To have 200 lb. Minimum capacity, swivel mount, screw jack on draw bar.
To have 2 inch ball coupler hitch. Hitch height to be adjustable.
To have safety chains with hooks attached to chain.
Axle capacity 2000 lb minimum.



Suspension to be rated 2000 lb minimum.
To have P205/ 75R15 steel belt radial tires, or equivalent.

To have swivel or telescoping mounting jacks on 4 corners.

To have stop, turn and tail lights and required clearance lights and reflectors. Trailer light connector to be a Pollak 11-702 plug.

Controls All arrow board controls are to be in lockable enclosure.

Paint Complete unit to be painted Dupont No. 82 orange.

PARTS & SERVICE

Service center will be located in the Salt Lake City area.

DELIVERY

Delivery is to be made within 60 days of receipt of purchase order Delivery date will be considered in evaluating bids.

Delivery must include the following:

- dealers invoice
- a copy of the warranty
- operator's manual for each unit.
- complete set of manuals including:
parts list, repair manual.

Cost of these manuals is to be included in bid price.

Delivery must also include MSO, application for title and safety inspection.

REPORTS

The contractor will submit yearly reports to the State Purchasing Agent (Debbie Gundersen) showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 10/20/2000.

FINET COMMODITY CODE(S): FOR AGENCY USE ONLY

55081000000	-	TRAFFIC CONTROLS AND EQUIPMENT, ELECTRIC PARTS
55082000000	-	TRAFFIC COUNTERS AND ACCESSORIES
55096000000	-	WARNING LIGHTS, FLASHERS, AND FLASHING ARROW BOARDS (SEE CLASS 285-76 FOR STREETLIGHTS AND STANDARDS)